



COMBINED DECLARATION/POWER OF ATTORNEY

ATTORNEY DOCKET NO.: PA000325

AS BELOW NAMED INVENTOR, I HEREBY DECLARE THAT: This Declaration is of the following type:

☒ Original ☐ Supplemental ☐ Continuation-In-Part ☐ Divisional
☐ Continuation ☐ National Stage of PCT

My residence, post office address and citizenship are as stated below next to my name: I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: **Method and Apparatus for Gated ACK/NAK Channel in a Communication System**, the specification of which:

☐ is attached hereto.

☒ was filed on September 1, 2000 as Serial No. 09/653,744

☐ was described and claimed in PCT International Application No. _____ filed on _____
and as amended under PCT Article 19 on _____

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to the examination of this application in accordance with 37CFR § 1.56(a).

I hereby claim foreign priority benefits under 35 USC § 119 of any foreign applications for a patent or inventor's certificate or of any PCT International applications designating at least one country other than the United States listed below and have also identified below any foreign applications for a patent or inventor's certificate or any PCT International applications designating at least one country other than the United States filed by me on the same subject matter having a filing date before that of the applications of which priority is claimed.

Priority Claimed

| (Country) | (Application No.) | (Day/Month/Year/Filed) | (Yes) | (No) |
|-----------|-------------------|------------------------|-------|------|
|-----------|-------------------|------------------------|-------|------|

I hereby claim the benefit under 35 USC § 120 of the United States application(s) listed below, and insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of 35 USC § 112, I acknowledge the duty to disclose material information as defined in 37 CFR 1.56(a) which occurred between the filing date of the prior application and the national or PCT International filing date of this application:

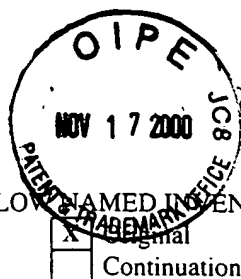
| (Serial No.) | (Filing Date) | (Status) |
|--------------|---------------|----------|
|--------------|---------------|----------|

I hereby appoint the following attorneys and/or agents to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected therewith: Russell B. Miller, Reg. No. 31,122, Gregory D. Ograd, Reg. No. 30,880, Sean English, Reg. 37,319, Roger W. Martin Reg. No. 39, 291, Thomas R. Rouse Reg. No. 40,793, Kevin J. Clark, Reg. No. 42,421, Thomas Streeter Reg. No. 30,007, Kent D. Baker Reg. No. 38,882, Thomas M. Thibault Reg. No. 42,181, Charles D. Brown Reg. No. 28,285, Kyong H. Macek Reg. No 42, 977, Byron Yafuso Reg. No. 45,244, Pavel Kalousek Reg. No.44,178, Christopher O. Edwards Reg. No. 36,127, Raymond Hom Reg. No. 44,773, Bruce W. Greenhaus Reg. No. 37,339, Philip R. Wadsworth, Reg. No. 29,219; Sayed Hossain Beladi, Reg. No. 42,311, Michael D. Hartogs, Reg. No. 36,547; Albert J. Harnois, Reg. No. 46, 123, Sandra L. Godsey, Reg. No. 42,589, and Sandip Minhas, Reg. No. 44,945. Please direct all telephone calls to Philip R. Wadsworth at (858) 651-4404 and address all correspondence to: Jean Lupien, QUALCOMM Incorporated, 5775 Morehouse Drive, San Diego, California 92121-1714.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 USC § and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

| | | |
|--|---|----------------------|
| Full Name of Sole or First Inventor Paul E. Bender | Inventor Signature <i>Paul E. Bender</i> | Date Nov 15, 2000 |
| Residence 2879 Angell Avenue, San Diego, California 92122 | Citizenship United States | |
| Post Office Address 2879 Angell Avenue, San Diego, California 92122 | | |

QUALCOMM Incorporated
5775 Morehouse Drive
San Diego, California 92121-1714
Telephone: (858) 651-4404
Facsimile: (858) 658-2502



COMBINED DECLARATION/POWER OF ATTORNEY

ATTORNEY DOCKET NO.: PA000325

AS BELOW NAMED INVENTOR, I HEREBY DECLARE THAT: This Declaration is of the following type:

☒ Original☐ Supplemental☐ Continuation-In-Part☐ Divisional☐ Continuation☐ National Stage of PCT

My residence, post office address and citizenship are as stated below next to my name: I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: **Method and Apparatus for Gated ACK/NAK Channel in a Communication System**, the specification of which:

☒ is attached hereto.☐ was filed on _____ as Serial No. _____☐ was described and claimed in PCT International Application No. _____ filed on _____

and as amended under PCT Article 19 on _____

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to the examination of this application in accordance with 37CFR § 1.56(a).

I hereby claim foreign priority benefits under 35 USC § 119 of any foreign applications for a patent or inventor's certificate or of any PCT International applications designating at least one country other than the United States listed below and have also identified below any foreign applications for a patent or inventor's certificate or any PCT International applications designating at least one country other than the United States filed by me on the same subject matter having a filing date before that of the applications of which priority is claimed.

Priority Claimed

(Country)

(Application No.)

(Day/Month/Year/Filed)

(Yes)

(No)

I hereby claim the benefit under 35 USC § 120 of the United States application(s) listed below, and insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of 35 USC § 112, I acknowledge the duty to disclose material information as defined in 37 CFR 1.56(a) which occurred between the filing date of the prior application and the national or PCT International filing date of this application:

(Serial No.)

(Filing Date)

(Status)

I hereby appoint the following attorneys and/or agents to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected therewith: Russell B. Miller, Reg. No. 31,122, Gregory D. Ogrod, Reg. No. 30,880, Sean English, Reg. 37,319, Roger W. Martin Reg. No. 39, 291, Thomas R. Rouse Reg. No. 40,793, Kevin J. Clark, Reg. No. 42,421, Thomas Streeter Reg. No. 30,007, Kent D. Baker Reg. No. 38,882, Thomas M. Thibault Reg. No. 42,181, Charles D. Brown Reg. No. 28,285, Kyong H. Macek Reg. No 42, 977, Byron Yafuso Reg. No. 45,244, Pavel Kalousek Reg. No.44,178, Christopher O. Edwards Reg. No. 36,127, Raymond Hom Reg. No. 44,773, Bruce W. Greenhaus Reg. No. 37,339, Philip R. Wadsworth, Reg. No. 29,219; Sayed Hossain Beladi, Reg. No. 42,311, Michael D. Hartogs, Reg. No. 36,547; Albert J. Harnois, Reg. No. 46, 123, Sandra L. Godsey, Reg. No. 42,589, and Sandip Minhas, Reg. No. 44,945. Please direct all telephone calls to Philip R. Wadsworth at (858) 651-4404 and address all correspondence to: Jean Lupien, QUALCOMM Incorporated, 5775 Morehouse Drive, San Diego, California 92121-1714.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 USC § and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

| | | |
|--|------------------------------|------|
| Full Name of Sole or First Inventor Paul E. Bender | Inventor Signature | Date |
| Residence 2879 Angell Avenue, San Diego, California 92122 | Citizenship United States | |
| Post Office Address 2879 Angell Avenue, San Diego, California 92122 | | |

QUALCOMM Incorporated
5775 Morehouse Drive
San Diego, California 92121-1714
Telephone: (858) 651-4404
Facsimile: (858) 658-2502

COMBINED DECLARATION/POWER OF ATTORNEY

ATTORNEY DOCKET NO.: PA000352

AS BELOW NAMED INVENTOR, I HEREBY DECLARE THAT: This Declaration is of the following type:

☒ Original
 ☐ Supplemental
 ☐ Continuation-In-Part
 ☐ Divisional
☐ Continuation
 ☐ National Stage of PCT

My residence, post office address and citizenship are as stated below next to my name: I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: **Method and Apparatus For Determining Load Level In A Communication System**, the specification of which:

☒ is attached hereto.
☐ was filed on _____ as Serial No. _____
☐ was described and claimed in PCT International Application No. _____ filed on _____
 and as amended under PCT Article 19 on _____

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to the examination of this application in accordance with 37CFR § 1.56(a).

I hereby claim foreign priority benefits under 35 USC § 119 of any foreign applications for a patent or inventor's certificate or of any PCT International applications designating at least one country other than the United States listed below and have also identified below any foreign applications for a patent or inventor's certificate or any PCT International applications designating at least one country other than the United States filed by me on the same subject matter having a filing date before that of the applications of which priority is claimed.

Priority Claimed

| (Country) | (Application No.) | (Day/Month/Year/Filed) | (Yes) | (No) |
|--|-------------------|------------------------|-------|------|
| <input checked="" type="checkbox"/> I hereby claim the benefit under 35 USC § 120 of the United States application(s) listed below, and insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of 35 USC § 112, I acknowledge the duty to disclose material information as defined in 37 CFR 1.56(a) which occurred between the filing date of the prior application and the national or PCT International filing date of this application: | | | | |

| (Serial No.) | (Filing Date) | (Status) |
|--|---------------|----------|
| <input checked="" type="checkbox"/> I hereby appoint the following attorneys and/or agents to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected therewith: Russell B. Miller, Reg. No. 31,122, Gregory D. Ograd, Reg. No. 30,880, Sean English, Reg. 37,319, Roger W. Martin Reg. No. 39, 291, Thomas R. Rouse Reg. No. 40,793, Kevin J. Clark, Reg. No. 42,421, Thomas Streeter Reg. No. 30,007, Kent D. Baker Reg. No. 38,882, Thomas M. Thibault Reg. No. 42,181, Charles D. Brown Reg. No. 28,285, Kyong H. Macek Reg. No 42, 977, Byron Yafuso Reg. No. 45,244, Pavel Kalousek Reg. No.44,178, Christopher O. Edwards Reg. No. 36,127, Raymond Hom Reg. No. 44,773, Bruce W. Greenhaus Reg. No. 37,339, Philip R. Wadsworth, Reg. No. 29,219; Sayed Hossain Beladi, Reg. No. 42,311, Michael D. Hartogs, Reg. No. 36,547; Albert J. Harnois, Reg. No. 46, 123, Sandra L. Godsey, Reg. No. 42,589, and Sandip Minhas, Reg. No. 44,945. Please direct all telephone calls to Philip R. Wadsworth at (858) 651-4404 and address all correspondence to: Jean Lupien, QUALCOMM Incorporated, 5775 Morehouse Drive, San Diego, California 92121-1714. | | |

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 USC § and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

| | | |
|--|--------------------|------------------------------|
| Full Name of Sole or First Inventor Paul E. Bender | Inventor Signature | Date |
| Residence 2879 Angell Avenue, San Diego, California 92122 | | Citizenship United States |
| Post Office Address 2879 Angell Avenue, San Diego, California 92122 | | |

QUALCOMM Incorporated
 5775 Morehouse Drive
 San Diego, California 92121-1714
 Telephone: (858) 651-4404
 Facsimile: (858) 658-2502

COMBINATION DECLARATION/POWER OF ATTORNEY

ATTORNEY DOCKET NO.: PA000325

AS BELOW NAMED INVENTOR, I HEREBY DECLARE THAT: This Declaration is of the following type:

☒ Original ☐ Supplemental ☐ Continuation-In-Part ☐ Divisional
☐ Continuation ☐ National Stage of PCT

My residence, post office address and citizenship are as stated below next to my name: I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: **Method and Apparatus for Gated ACK/NAK Channel in a Communication System**, the specification of which:

☐ is attached hereto.
☒ was filed on September 1, 2000 as Serial No. 09/653,744
☐ was described and claimed in PCT International Application No. _____ filed on _____
 and as amended under PCT Article 19 on _____

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to the examination of this application in accordance with 37CFR § 1.56(a).

I hereby claim foreign priority benefits under 35 USC § 119 of any foreign applications for a patent or inventor's certificate or of any PCT International applications designating at least one country other than the United States listed below and have also identified below any foreign applications for a patent or inventor's certificate or any PCT International applications designating at least one country other than the United States filed by me on the same subject matter having a filing date before that of the applications of which priority is claimed.

Priority Claimed

| (Country) | (Application No.) | (Day/Month/Year/Filed) | (Yes) | (No) |
|--|-------------------|------------------------|-------|------|
| I hereby claim the benefit under 35 USC § 120 of the United States application(s) listed below, and insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of 35 USC § 112, I acknowledge the duty to disclose material information as defined in 37 CFR 1.56(a) which occurred between the filing date of the prior application and the national or PCT International filing date of this application: | | | | |

| (Serial No.) | (Filing Date) | (Status) |
|--|---------------|----------|
| I hereby appoint the following attorneys and/or agents to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected therewith: Russell B. Miller, Reg. No. 31,122, Gregory D. Ogrod, Reg. No. 30,880, Sean English, Reg. 37,319, Roger W. Martin Reg. No. 39, 291, Thomas R. Rouse Reg. No. 40,793, Kevin J. Clark, Reg. No. 42,421, Thomas Streeter Reg. No. 30,007, Kent D. Baker Reg. No. 38,882, Thomas M. Thibault Reg. No. 42,181, Charles D. Brown Reg. No. 28,285, Kyong H. Macek Reg. No 42, 977, Byron Yafuso Reg. No. 45,244, Pavel Kalousek Reg. No.44,178, Christopher O. Edwards Reg. No. 36,127, Raymond Hom Reg. No. 44,773, Bruce W. Greenhaus Reg. No. 37,339, Philip R. Wadsworth, Reg. No. 29,219; Sayed Hossain Beladi, Reg. No. 42,311, Michael D. Hartogs, Reg. No. 36,547; Albert J. Harnois, Reg. No. 46, 123, Sandra L. Godsey, Reg. No. 42,589, and Sandip Minhas, Reg. No. 44,945. Please direct all telephone calls to Philip R. Wadsworth at (858) 651-4404 and address all correspondence to: Jean Lupien, QUALCOMM Incorporated, 5775 Morehouse Drive, San Diego, California 92121-1714. | | |

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 USC § and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

| | | |
|--|---|----------------------|
| Full Name of Sole or First Inventor Paul E. Bender | Inventor Signature <i>Paul E. Bender</i> | Date Nov 15, 2000 |
| Residence 2879 Angell Avenue, San Diego, California 92122 | Citizenship United States | |
| Post Office Address 2879 Angell Avenue, San Diego, California 92122 | | |

QUALCOMM Incorporated
 5775 Morehouse Drive
 San Diego, California 92121-1714
 Telephone: (858) 651-4404
 Facsimile: (858) 658-2502

COMBINATION DECLARATION/POWER OF ATTORNEY

ATTORNEY DOCKET NO.: PA000325

AS BELOW NAMED INVENTOR, I HEREBY DECLARE THAT: This Declaration is of the following type:

☒ Original ☐ Supplemental ☐ Continuation-In-Part ☐ Divisional
☐ Continuation ☐ National Stage of PCT

My residence, post office address and citizenship are as stated below next to my name: I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: **Method and Apparatus for Gated ACK/NAK Channel in a Communication System**, the specification of which:

☒ is attached hereto.
☐ was filed on _____ as Serial No. _____
☐ was described and claimed in PCT International Application No. _____ filed on _____
 and as amended under PCT Article 19 on _____

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to the examination of this application in accordance with 37CFR § 1.56(a).

I hereby claim foreign priority benefits under 35 USC § 119 of any foreign applications for a patent or inventor's certificate or of any PCT International applications designating at least one country other than the United States listed below and have also identified below any foreign applications for a patent or inventor's certificate or any PCT International applications designating at least one country other than the United States filed by me on the same subject matter having a filing date before that of the applications of which priority is claimed.

Priority Claimed

| (Country) | (Application No.) | (Day/Month/Year/Filed) | (Yes) | (No) |
|--|-------------------|------------------------|-------|------|
| I hereby claim the benefit under 35 USC § 120 of the United States application(s) listed below, and insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of 35 USC § 112, I acknowledge the duty to disclose material information as defined in 37 CFR 1.56(a) which occurred between the filing date of the prior application and the national or PCT International filing date of this application: | | | | |

| (Serial No.) | (Filing Date) | (Status) |
|--|---------------|----------|
| I hereby appoint the following attorneys and/or agents to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected therewith: Russell B. Miller, Reg. No. 31,122, Gregory D. Ogrod, Reg. No. 30,880, Sean English, Reg. 37,319, Roger W. Martin Reg. No. 39, 291, Thomas R. Rouse Reg. No. 40,793, Kevin J. Clark, Reg. No. 42,421, Thomas Streeter Reg. No. 30,007, Kent D. Baker Reg. No. 38,882, Thomas M. Thibault Reg. No. 42,181, Charles D. Brown Reg. No. 28,285, Kyong H. Macek Reg. No 42, 977, Byron Yafuso Reg. No. 45,244, Pavel Kalousek Reg. No.44,178, Christopher O. Edwards Reg. No. 36,127, Raymond Hom Reg. No. 44,773, Bruce W. Greenhaus Reg. No. 37,339, Philip R. Wadsworth, Reg. No. 29,219; Sayed Hossain Beladi, Reg. No. 42,311, Michael D. Hartogs, Reg. No. 36,547; Albert J. Harnois, Reg. No. 46, 123, Sandra L. Godsey, Reg. No. 42,589, and Sandip Minhas, Reg. No. 44,945. Please direct all telephone calls to Philip R. Wadsworth at (858) 651-4404 and address all correspondence to: Jean Lupien, QUALCOMM Incorporated, 5775 Morehouse Drive, San Diego, California 92121-1714. | | |

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 USC § and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

| | | |
|--|------------------------------|------|
| Full Name of Sole or First Inventor Paul E. Bender | Inventor Signature | Date |
| Residence 2879 Angell Avenue, San Diego, California 92122 | Citizenship United States | |
| Post Office Address 2879 Angell Avenue, San Diego, California 92122 | | |

QUALCOMM Incorporated
 5775 Morehouse Drive
 San Diego, California 92121-1714
 Telephone: (858) 651-4404
 Facsimile: (858) 658-2502

**RECORDATION FORM COVER SHEET
PATENTS ONLY**

Attorney Docket No.: PA000325

TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).

Submission Type

- ☒ New
☐ Resubmission (Non-Recordation)
 Document ID No.
☐ Correction of PTO Error
 Reel No. Frame No.
☐ Corrective Document
 Reel No. Frame No.

Conveyance Type

- ☒ Assignment
☐ Change of Name
☐ License
☐ Merger
☐ Security Agreement
☐ Other:

Conveying Party(ies)
NAME

☐ Mark if additional names are attached

1. Paul E. Bender
- 2.
- 3.
- 4.

EXECUTION DATE

Month, Day, Year (MMDDYYYY)
November 15, 2000

Receiving Party

☐ Mark if additional names are attached

Name: QUALCOMM Incorporated
 A Delaware Corporation
 Address (Street number and name): 5775 Morehouse Drive
 Address (City, State, Zip Code): San Diego, California, 92121-1714

Correspondent Name and Address

Name: QUALCOMM Incorporated
 Attn: Jean Lupien
 Address: 5775 Morehouse Drive
 Address: San Diego, California 92121-1714

Telephone Number: (858) 651-5886
 Facsimile: (858) 658-2502

Pages (Enter the total number of pages of the attached conveyance document including any attachments)

Total number of pages: 3

Application Number(s) or Patent Number(s)

If this document is being filed together with a new application, the execution date of the application is:

Patent Application Number(s):

1. 09/653,744 filed on September 1, 2000
- 2.
- 3.
- 4.

Patent Number(s):

- 1.
- 2.
- 3.
- 4.

Patent Cooperation Treaty (PCT)

(Enter only if a U.S. Application Number has not been assigned)

- | | |
|---------|---------|
| 1. PCT/ | 3. PCT/ |
| 2. PCT/ | 4. PCT/ |

Number of Properties (Enter the total number of properties involved)

Total number of properties: 1

Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41): \$40.00

Method of Payment: ☐ Enclosed ☒ Deposit Account

(Enter for payment by deposit account or if additional fees can be charged to the account. A duplicate of this sheet is enclosed for fee processing)

Deposit Account Number: 17-0026

Authorization to charge additional fees: ☒ Yes ☐ No

Statement and Signature

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein.

Date: November 15, 2000

Name: S. Hossain Beladi, Reg. No. 42,311

Signature: 

FOR OFFICE USE ONLY

ASSIGNMENT

TO WHOM IT MAY CONCERN:

For the sum of One Dollar and other valuable consideration to me in hand paid, receipt of which is hereby acknowledged, be it known that I **PAUL E. BENDER**, a citizen of the United States of America having a place of residence at **2879 Angell Avenue, San Diego, California 92122**; have sold, assigned and transferred and by these presents do sell, assign, transfer and set over unto **QUALCOMM Incorporated**, a Delaware corporation, having a place of business at **5775 Morehouse Drive, San Diego, California 92121-1714**, its successors, legal representatives, or assigns, the whole right, title and interest in and to a certain invention relating to a **METHOD AND APPARATUS FOR GATED ACK/NAK CHANNEL IN A COMMUNICATION SYSTEM** by me devised and the application for United States Patent therefor filed in the United States Patent and Trademark Office on **September 1, 2000**, and assigned Serial No. **09/653,744**, and all original and reissue patents granted thereof, and all divisions, and continuations thereof, including the subject matter of any and all claims which may be obtained in every such patent, and all foreign rights to said invention, and covenant that I have full right to do so, and agree that I will communicate to said corporation or its representatives all facts known to me respecting said invention, whenever requested, and testify in any legal proceedings, sign all lawful papers, make all rightful oaths and generally do everything possible to aid said corporation, its successors, assigns and nominees, to obtain and enforce proper patent protection for said invention in all countries.

The Commissioner of Patents and Trademarks is requested to issue the Letters Patent which may be granted for said invention or any part thereof unto said corporation in keeping with this Assignment.

Done at San Diego, California this 15 day of Nov, 2000.



PAUL E. BENDER